



# **wiwynn**

**BMC**

**v.02.05**

## **User Manual**

Version 1.2

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## Chapter 1: Overview

The SV300 server is designed with server management chip, so it can be remotely accessed and monitored by using an internet browser. To remotely activate the server and monitor the system status, log on to the specific IP address provided by the supplier(static), or IP assigned by DHCP server(DHCP).

### 1.1 Login

After entering the IP address of the designated SV300 server, you will immediately be prompted with the BMC login page.



The image shows a screenshot of a web-based BMC login interface. It features a light blue header bar with the text 'BMC Login' in white. Below this is a light gray content area containing two input fields: 'Username:' and 'Password:', each with a corresponding text input box. Underneath the password input is a 'Forgot Password?' link. At the bottom right of the input area is a yellow 'Login' button with black text.

#### Required Browser Settings

1. Allow popups from this site 
2. Allow file download from this site. (How to )
3. Enable javascript for this site 
4. Enable cookies for this site 

Log in the system with the Username of **[admin]** and Password of **[admin]**, and then click **OK**.

#### **Note:**

Please consult with the system provider for the correct username and password

## Chapter 2: BMC Monitoring

The monitoring interface consists of 8 major pages. They are Dashboard, FRU Information, Server Health, Configuration, Remote Control, Auto Video Recording, Maintenance and Firmware Update, which will be illustrated in later sections.

### 2.1 Dashboard

The first page is the Dashboard page. The dashboard page contains **Device Information, Sensor Monitoring, Event Logs, Network Information and Remote Control.**

[Dashboard](#) FRU Information [Server Health](#) [Configuration](#) [Remote Control](#) [Auto Video Recording](#) [Maintenance](#) [Firmware Update](#)

**Dashboard**

Dashboard gives the overall information about the status of the device and remote server.

**Device Information**

Firmware Revision: 1.5.30871  
Firmware Build Time: Oct 8 2012 22:42:21 CST

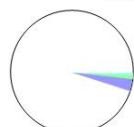
**Network Information** [\(Edit\)](#)

MAC Address: F8:0F:41:F0:4E:D2  
V4 Network Mode: Static  
IPv4 Address: 192.168.2.1  
V8 Network Mode: DHCP  
IPv6 Address: ::

**Sensor Monitoring**

Status	Sensor	Reading
●	Watchdog2	0x8000
●	CPU0 Status	0x8000
●	CPU1 Status	0x8000
●	Memory ECC	0x8000
●	CPU0 Temp	49 °C
●	CPU1 Temp	62 °C
●	BIOS Event	0x8000
●	DIMM Zone0 Temp	33 °C
●	DIMM Zone1 Temp	38 °C
●	DIMM Zone2 Temp	33 °C
●	DIMM Zone3 Temp	41 °C
●	PCH Temp	43 °C
●	PCIe Zone TempZP	42 °C
●	CPU1 Outlet Temp	31 °C
●	MB Inlet Temp	34 °C
●	HDD Bak MB1 Temp	38 °C
●	PVCCP_CPU0	0.805 Volts
●	PVCCP_CPU1	0.81 Volts
●	Current_12V_PSU1	19.8 Amps
●	Current_12V_PSU2	0 Amps
●	Sys Per Monitor	0x8001
●	PSU1 Status	0x8001
●	PSU2 Status	0x800D
●	Power Unit	0x8000
●	SEL	0x8000
●	NMI Action	0x8000
●	FAN1-1	5700 RPM
●	FAN1-2	4850 RPM
●	FAN2-1	5450 RPM
●	FAN2-2	4800 RPM
●	FAN3-1	5700 RPM
●	FAN3-2	4850 RPM
●	FAN4-1	5700 RPM
●	FAN4-2	4800 RPM
●	Watchdog	0x8000

**Event Logs**



Log Level	Percentage
Error	0.1%
Info	2.8%
Warn	1.1%
Current_12V_PSU2	0.14%
PSU1 Status	0.03%
PSU2 Status	0.03%
Sys Per Monitor	0.03%
Free Space	94.75%

## 2.2 FRU Information

FRU literally means Field Replaceable Unit. This page gives detailed information of the various FRU sections presented in this system.

[Dashboard](#) **FRU Information** [Server Health](#) [Configuration](#) [Remote Control](#) [Auto Video Recording](#)

### Field Replaceable Unit(FRU)

This page gives detailed information for the various FRU devices present in this system.

#### Basic Information:

FRU Device ID	<input type="text" value="0"/>
FRU Device Name	BMC_FRU

#### Chassis Information:

Chassis Information Area Format Version	1
Chassis Type	Main Server Chassis
Chassis Part Number	
Chassis Serial Number	
Chassis Extra	

#### Board Information:

Board Information Area Format Version	1
Language	0
Manufacture Date Time	Mon Aug 13 16:21:00 2012
Board Manufacturer	Wiwynn
Board Product Name	SLTTree
Board Serial Number	
Board Part Number	
FRU File ID	
Board Extra	

#### Product Information:

Product Information Area Format Version	1
Language	0
Manufacturer Name	Wiwynn
Product Name	SV300
Product Part Number	
Product Version	1
Product Serial Number	123456789012
Asset Tag	
FRU File ID	
Product Extra	

## 2.3 Server Health

This **Server Health** page allows you to view the Sensor Readings, Event Log, System and Audit Log.

Dashboard
FRU Information
Server Health
Configuration
Remote Control
Auto Video Recording
Maintenance
Firmware Update

Sensor Readings
Event Log

All sensor related information will be displayed here. Click on a record to toggle (ON / OFF) the live widget for that particular sensor.

All Sensors

▼

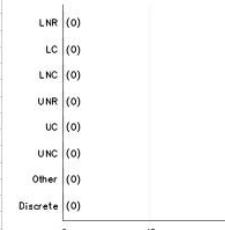
Sensor Name	Status	Current Reading
Watchdog2	All deasserted	0x8000
CPU0 Status	All deasserted	0x8000
CPU1 Status	All deasserted	0x8000
Memory ECC	All deasserted	0x8000
CPU0 Temp	Normal	49 ° C
CPU1 Temp	Normal	62 ° C
BIOS Event	All deasserted	0x8000
DIMM Zone0 Temp	Normal	33 ° C
DIMM Zone1 Temp	Normal	36 ° C
DIMM Zone2 Temp	Normal	33 ° C
DIMM Zone3 Temp	Normal	41 ° C
PCH Temp	Normal	43 ° C
PCIE Zone TempZP	Normal	42 ° C
CPU1 Outlet Temp	Normal	31 ° C
MB Inlet Temp	Normal	34 ° C
HDD Bak MB1 Temp	Normal	38 ° C
HDD Bak MB2 Temp	Normal	29 ° C
3.3V Standby	Normal	3.24 Volts
5V Standby	Normal	5 Volts
3.3V	Normal	3.27 Volts
5V	Normal	5 Volts
12V	Normal	12 Volts
3V Battery	Normal	3 Volts
1.1V Standby	Normal	1.07 Volts
1.8V Standby	Normal	1.77 Volts
PVDDQ_AB	Normal	1.339 Volts

**Watchdog2: 0x8000**

Thresholds for this sensor

Lower Non-Recoverable (LNR):	N/A
Lower Critical (LC):	N/A
Lower Non-Critical (LNC):	N/A

Graphical View of this sensor's events



The graph shows a single data series for the Watchdog2 sensor. The x-axis represents time, and the y-axis represents the event count. There are 0 events recorded for this sensor.

## 2.3.1 Sensor Readings

All sensor related information will be displayed here.

Dashboard    FRU Information    Server Health    Configuration    Remote Control    Auto Video

### Sensor Readings

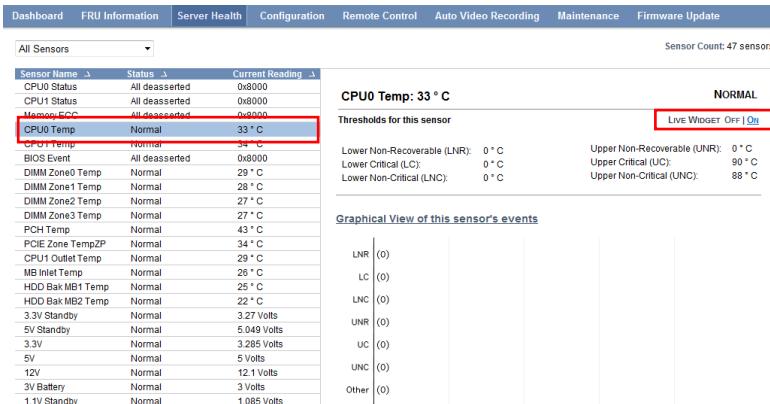
All sensor related information will be displayed here. Double click on a record to toggle (ON / OFF) the live widget.

All Sensors	Status	Current Reading
All Sensors	All deasserted	0x8000
Temperature Sensors	All deasserted	0x8000
Voltage Sensors	All deasserted	0x8000
Current Sensors	All deasserted	0x8000
Fan Sensors	All deasserted	0x8000
Processor	All deasserted	0x8000
Power Supply	All deasserted	0x8000
Power Unit	Normal	49 ° C
Memory	Normal	62 ° C
System Firmware Progress	All deasserted	0x8000
Event Logging Disabled	Normal	33 ° C
Critical Interrupt	Normal	36 ° C
System ACPI Power State	Normal	33 ° C
Watchdog 2	Normal	41 ° C
DIMM Zone3 Temp	Normal	43 ° C
PCH Temp	Normal	43 ° C
PCIe Zone7 Temp	Normal	42 ° C

**Sensors options:**

All Sensors
Temperature Sensors
Voltage Sensors
Current Sensors
Fan Sensors
Processor
Power Supply
Power Unit
Memory
System Firmware Progress
Event Logging Disabled
Critical Interrupt
System ACPI Power State
Watchdog 2

Double-click the specific sensor (such as CPU0 Temp) or click “ON” (at the right side) to pop a LIVE WIDGET window.



**Sensor Name** ▾ **Status** ▾ **Current Reading** ▾

CPU0 Status	All deasserted	0x8000
CPU1 Status	All deasserted	0x8000
Memory ECC	All deasserted	0x8000
<b>CPU0 Temp</b>	Normal	33 °C
CPU1 Temp	Normal	34 °C
BIOS Event	All deasserted	0x8000
DIMM Zone0 Temp	Normal	29 °C
DIMM Zone1 Temp	Normal	28 °C
DIMM Zone2 Temp	Normal	27 °C
DIMM Zone3 Temp	Normal	27 °C
PCH Temp	Normal	43 °C
PCIe Zone TempZP	Normal	34 °C
CPU1 Outlet Temp	Normal	29 °C
MB Inlet Temp	Normal	26 °C
HDD Bak MB1 Temp	Normal	25 °C
HDD Bak MB2 Temp	Normal	22 °C
3.3V Standby	Normal	3.27 Volts
5V Standby	Normal	5.049 Volts
3.3V	Normal	3.285 Volts
5V	Normal	5 Volts
12V	Normal	12.1 Volts
3V Battery	Normal	3 Volts
1.1V Standby	Normal	1.085 Volts

**CPU0 Temp: 33 °C**

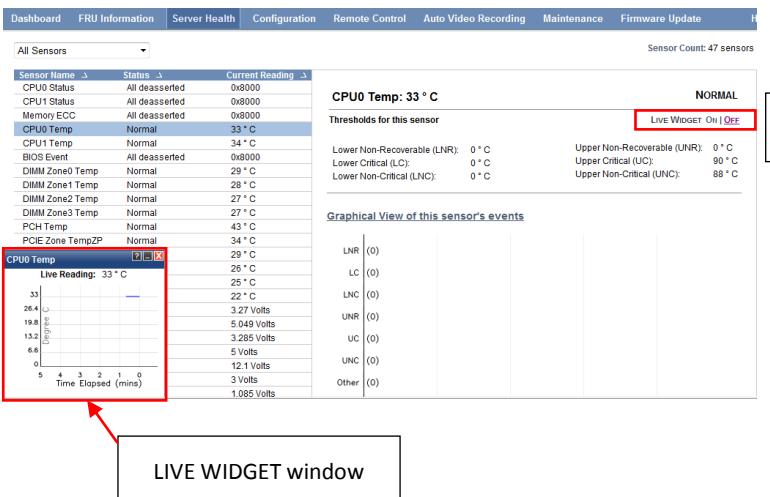
**NORMAL**

**LIVE WIDGET Off | On**

**Graphical View of this sensor's events**

LNR (0)  
LC (0)  
LNC (0)  
UNR (0)  
UC (0)  
UNC (0)  
Other (0)

The LIVE WIDGET window appears at the left bottom side, and you can click “OFF” (at the right side) to remove it.



**Sensor Name** ▾ **Status** ▾ **Current Reading** ▾

CPU0 Status	All deasserted	0x8000
CPU1 Status	All deasserted	0x8000
Memory ECC	All deasserted	0x8000
<b>CPU0 Temp</b>	Normal	33 °C
CPU1 Temp	Normal	34 °C
BIOS Event	All deasserted	0x8000
DIMM Zone0 Temp	Normal	29 °C
DIMM Zone1 Temp	Normal	28 °C
DIMM Zone2 Temp	Normal	27 °C
DIMM Zone3 Temp	Normal	27 °C
PCH Temp	Normal	43 °C
PCIe Zone TempZP	Normal	34 °C
CPU0 Temp	Normal	29 °C
CPU0 Temp	Normal	26 °C
CPU0 Temp	Normal	25 °C
CPU0 Temp	Normal	22 °C
CPU0 Temp	Normal	3.27 Volts
CPU0 Temp	Normal	5.049 Volts
CPU0 Temp	Normal	3.285 Volts
CPU0 Temp	Normal	5 Volts
CPU0 Temp	Normal	12.1 Volts
CPU0 Temp	Normal	3 Volts
CPU0 Temp	Normal	1.085 Volts

**CPU0 Temp: 33 °C**

**NORMAL**

**LIVE WIDGET Off | On**

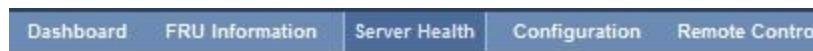
**Graphical View of this sensor's events**

LNR (0)  
LC (0)  
LNC (0)  
UNR (0)  
UC (0)  
UNC (0)  
Other (0)

**LIVE WIDGET window**

## 2.3.2 Event Log

Events generated by the system will be logged here. Double-click on a record to see description.



### Event Log

Events generated by the system will be logged here. Double-click on a record to see description

filter by:

BMC Timezone  Client Timezone UTC Offset: (GMT+/-0)

Event ID	Time Stamp	Sensor Name
191	01/13/2005 00:25:31	Unknown
190	01/13/2005 00:25:31	Unknown

### Event Log

Events generated by the system will be logged here. Double-click on a record to see description

All Events	filter by: All Sensors
All Events	(GMT+/-0)
System Event Records	
OEM Event Records	
BIOS Generated Events	
SMI Handler Events	
System Management Software Events	
System Software - OEM Events	
Remote Console Software Events	
Terminal Mode Remote Console software Events	
191 01/12/2005 22:50:59	
190 01/12/2005 22:50:59	
...	

### Events options:

All Events
System Event Records
OEM Event Records
BIOS Generated Events
SMI Handler Events
System Management Software Events
System Software – OEM Events
Remote Console Software Events
Terminal Mode Remote Console
Software Events

The listing items can be filtered by different sensor items.

Event Log					
Events generated by the system will be logged here. Double-click on a record to see description.					
<table border="1"> <thead> <tr> <th>All Events</th> <th>filter by:</th> </tr> </thead> <tbody> <tr> <td> <input checked="" type="radio"/> BMC Timezone           <input type="radio"/> Client Timezone           <input type="radio"/> UTC Offset: (GMT+/-0)         </td> <td>           All Sensors           <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> All Sensors</li> <li><input type="checkbox"/> Watchdog2</li> <li><input type="checkbox"/> CPU0 Status</li> <li><input type="checkbox"/> CPU1 Status</li> <li><input type="checkbox"/> Memory ECC</li> <li><input type="checkbox"/> CPU0 Temp</li> <li><input type="checkbox"/> CPU1 Temp</li> <li><input type="checkbox"/> BIOS Event</li> <li><input type="checkbox"/> DIMM Zone0 Temp</li> <li><input type="checkbox"/> DIMM Zone1 Temp</li> <li><input type="checkbox"/> DIMM Zone2 Temp</li> <li><input type="checkbox"/> DIMM Zone3 Temp</li> <li><input type="checkbox"/> PCH Temp</li> <li><input type="checkbox"/> PCIE Zone TempZP</li> <li><input type="checkbox"/> CPU1 Outlet Temp</li> <li><input type="checkbox"/> MB Inlet Temp</li> <li><input type="checkbox"/> HDD Bak MB1 Temp</li> <li><input type="checkbox"/> HDD Bak MB2 Temp</li> <li><input type="checkbox"/> 3.3V Standby</li> <li><input type="checkbox"/> 5V Standby</li> <li><input type="checkbox"/> 3.3V</li> <li><input type="checkbox"/> 5V</li> <li><input type="checkbox"/> 12V</li> <li><input type="checkbox"/> 3V Battery</li> <li><input type="checkbox"/> 1.1V Standby</li> <li><input type="checkbox"/> 1.8V Standby</li> <li><input type="checkbox"/> PVDDQ_AB</li> <li><input type="checkbox"/> PVDDQ_CD</li> <li><input type="checkbox"/> PVDDQ_EF</li> <li><input type="checkbox"/> PVDDQ_GH</li> <li><input type="checkbox"/> PVCCP_CPU0</li> <li><input type="checkbox"/> PVCCP_CPU1</li> <li><input type="checkbox"/> Current_12V_PSU1</li> <li><input type="checkbox"/> Current_12V_PSU2</li> <li><input type="checkbox"/> Sys Pwr Monitor</li> <li><input type="checkbox"/> PSU1 Status</li> <li><input type="checkbox"/> PSU2 Status</li> <li><input type="checkbox"/> Power Unit</li> <li><input type="checkbox"/> SEL</li> <li><input type="checkbox"/> NMI Action</li> <li><input type="checkbox"/> FAN1-1</li> <li><input type="checkbox"/> FAN1-2</li> <li><input type="checkbox"/> FAN2-1</li> <li><input type="checkbox"/> FAN2-2</li> <li><input type="checkbox"/> FAN3-1</li> <li><input type="checkbox"/> FAN3-2</li> <li><input type="checkbox"/> FAN4-1</li> <li><input type="checkbox"/> FAN4-2</li> <li><input type="checkbox"/> Watchdog</li> </ul> </td> </tr> </tbody> </table>		All Events	filter by:	<input checked="" type="radio"/> BMC Timezone <input type="radio"/> Client Timezone <input type="radio"/> UTC Offset: (GMT+/-0)	All Sensors <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> All Sensors</li> <li><input type="checkbox"/> Watchdog2</li> <li><input type="checkbox"/> CPU0 Status</li> <li><input type="checkbox"/> CPU1 Status</li> <li><input type="checkbox"/> Memory ECC</li> <li><input type="checkbox"/> CPU0 Temp</li> <li><input type="checkbox"/> CPU1 Temp</li> <li><input type="checkbox"/> BIOS Event</li> <li><input type="checkbox"/> DIMM Zone0 Temp</li> <li><input type="checkbox"/> DIMM Zone1 Temp</li> <li><input type="checkbox"/> DIMM Zone2 Temp</li> <li><input type="checkbox"/> DIMM Zone3 Temp</li> <li><input type="checkbox"/> PCH Temp</li> <li><input type="checkbox"/> PCIE Zone TempZP</li> <li><input type="checkbox"/> CPU1 Outlet Temp</li> <li><input type="checkbox"/> MB Inlet Temp</li> <li><input type="checkbox"/> HDD Bak MB1 Temp</li> <li><input type="checkbox"/> HDD Bak MB2 Temp</li> <li><input type="checkbox"/> 3.3V Standby</li> <li><input type="checkbox"/> 5V Standby</li> <li><input type="checkbox"/> 3.3V</li> <li><input type="checkbox"/> 5V</li> <li><input type="checkbox"/> 12V</li> <li><input type="checkbox"/> 3V Battery</li> <li><input type="checkbox"/> 1.1V Standby</li> <li><input type="checkbox"/> 1.8V Standby</li> <li><input type="checkbox"/> PVDDQ_AB</li> <li><input type="checkbox"/> PVDDQ_CD</li> <li><input type="checkbox"/> PVDDQ_EF</li> <li><input type="checkbox"/> PVDDQ_GH</li> <li><input type="checkbox"/> PVCCP_CPU0</li> <li><input type="checkbox"/> PVCCP_CPU1</li> <li><input type="checkbox"/> Current_12V_PSU1</li> <li><input type="checkbox"/> Current_12V_PSU2</li> <li><input type="checkbox"/> Sys Pwr Monitor</li> <li><input type="checkbox"/> PSU1 Status</li> <li><input type="checkbox"/> PSU2 Status</li> <li><input type="checkbox"/> Power Unit</li> <li><input type="checkbox"/> SEL</li> <li><input type="checkbox"/> NMI Action</li> <li><input type="checkbox"/> FAN1-1</li> <li><input type="checkbox"/> FAN1-2</li> <li><input type="checkbox"/> FAN2-1</li> <li><input type="checkbox"/> FAN2-2</li> <li><input type="checkbox"/> FAN3-1</li> <li><input type="checkbox"/> FAN3-2</li> <li><input type="checkbox"/> FAN4-1</li> <li><input type="checkbox"/> FAN4-2</li> <li><input type="checkbox"/> Watchdog</li> </ul>
All Events	filter by:				
<input checked="" type="radio"/> BMC Timezone <input type="radio"/> Client Timezone <input type="radio"/> UTC Offset: (GMT+/-0)	All Sensors <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> All Sensors</li> <li><input type="checkbox"/> Watchdog2</li> <li><input type="checkbox"/> CPU0 Status</li> <li><input type="checkbox"/> CPU1 Status</li> <li><input type="checkbox"/> Memory ECC</li> <li><input type="checkbox"/> CPU0 Temp</li> <li><input type="checkbox"/> CPU1 Temp</li> <li><input type="checkbox"/> BIOS Event</li> <li><input type="checkbox"/> DIMM Zone0 Temp</li> <li><input type="checkbox"/> DIMM Zone1 Temp</li> <li><input type="checkbox"/> DIMM Zone2 Temp</li> <li><input type="checkbox"/> DIMM Zone3 Temp</li> <li><input type="checkbox"/> PCH Temp</li> <li><input type="checkbox"/> PCIE Zone TempZP</li> <li><input type="checkbox"/> CPU1 Outlet Temp</li> <li><input type="checkbox"/> MB Inlet Temp</li> <li><input type="checkbox"/> HDD Bak MB1 Temp</li> <li><input type="checkbox"/> HDD Bak MB2 Temp</li> <li><input type="checkbox"/> 3.3V Standby</li> <li><input type="checkbox"/> 5V Standby</li> <li><input type="checkbox"/> 3.3V</li> <li><input type="checkbox"/> 5V</li> <li><input type="checkbox"/> 12V</li> <li><input type="checkbox"/> 3V Battery</li> <li><input type="checkbox"/> 1.1V Standby</li> <li><input type="checkbox"/> 1.8V Standby</li> <li><input type="checkbox"/> PVDDQ_AB</li> <li><input type="checkbox"/> PVDDQ_CD</li> <li><input type="checkbox"/> PVDDQ_EF</li> <li><input type="checkbox"/> PVDDQ_GH</li> <li><input type="checkbox"/> PVCCP_CPU0</li> <li><input type="checkbox"/> PVCCP_CPU1</li> <li><input type="checkbox"/> Current_12V_PSU1</li> <li><input type="checkbox"/> Current_12V_PSU2</li> <li><input type="checkbox"/> Sys Pwr Monitor</li> <li><input type="checkbox"/> PSU1 Status</li> <li><input type="checkbox"/> PSU2 Status</li> <li><input type="checkbox"/> Power Unit</li> <li><input type="checkbox"/> SEL</li> <li><input type="checkbox"/> NMI Action</li> <li><input type="checkbox"/> FAN1-1</li> <li><input type="checkbox"/> FAN1-2</li> <li><input type="checkbox"/> FAN2-1</li> <li><input type="checkbox"/> FAN2-2</li> <li><input type="checkbox"/> FAN3-1</li> <li><input type="checkbox"/> FAN3-2</li> <li><input type="checkbox"/> FAN4-1</li> <li><input type="checkbox"/> FAN4-2</li> <li><input type="checkbox"/> Watchdog</li> </ul>				
Event ID	Time Stamp				
191	01/13/2005 00:25:31				
190	01/13/2005 00:25:31				
189	01/12/2005 22:59:03				
188	01/12/2005 22:52:21				
187	01/12/2005 22:50:59				
186	01/12/2005 22:50:59				
185	01/12/2005 22:50:11				
184	01/12/2005 22:50:11				
183	01/12/2005 22:50:10				
182	01/12/2005 22:50:10				
181	01/12/2005 22:48:55				
180	01/12/2005 22:48:55				
179	01/12/2005 22:48:53				
178	01/12/2005 22:48:53				
177	01/12/2005 22:48:38				
176	01/12/2005 22:48:38				
185	01/12/2005 22:50:11				
184	01/12/2005 22:50:11				
183	01/12/2005 22:50:10				
182	01/12/2005 22:50:10				
181	01/12/2005 22:48:55				
180	01/12/2005 22:48:55				
179	01/12/2005 22:48:53				
178	01/12/2005 22:48:53				
177	01/12/2005 22:48:38				
176	01/12/2005 22:48:38				

The display list may consist of many pages. You may click backward or forward button to check the rest of the pages. Or, click on the [Clear All Event Logs] to clear all of the logs.

Event Log

Events generated by the system will be logged here. Double-click on a record to see description.

Filter by: All Sensors

● BMC Timeline (Client Timeline, UTC Offset (GMT+0))

Event ID	Date/Time	Sensor Name	Current Status	Current Type	Current Value	Event Type	Description
181	01/13/2004 00:25:51	Unknown	Unknown	OBII Record	OBII measurement		
180	01/13/2004 00:25:51	Unknown	HB0 Bus WB1 Temp	OBII Critical Stop	Invalid Offset for this SensorType - Asserred		
181	01/13/2004 22:09:03	Unknown	HB0 Bus WB1 Temp	Temperature	Upper Non-Critical - Going High - Cleasnered		
182	01/13/2004 22:09:03	Unknown	HB0 Bus WB1 Temp	Temperature	Upper Critical - Going High - Cleasnered		
183	01/13/2004 22:09:03	Unknown	HB0 Bus WB1 Temp	OBII Record	OBII measurement		
184	01/13/2004 22:09:03	Unknown	Current_DV_PSU2	OBII Critical Stop	Invalid Offset for this SensorType - Asserred		
185	01/13/2004 22:09:11	Current_DV_PSU2	Current	Current	Upper Non-Critical - Going High - Cleasnered		
186	01/13/2004 22:09:11	Current_DV_PSU2	Current	Current	Upper Critical - Going High - Cleasnered		
187	01/13/2004 22:09:11	Current_DV_PSU2	Current	OBII Record	OBII measurement		
188	01/13/2004 22:09:59	Unknown	Unknown	System Event	System Reconfiguration	OBII System Boot Event Undermined System Hardware Failure Entry Added to	Auxiliary Log PEF Action - Asserred
189	01/13/2004 22:09:59	Unknown	System Event	System Event	System Reconfiguration	OBII System Boot Event Undermined System Hardware Failure Entry Added to	Auxiliary Log PEF Action - Asserred
190	01/13/2004 22:09:59	Unknown	System Event	System Event	System Reconfiguration	OBII System Boot Event Undermined System Hardware Failure Entry Added to	Auxiliary Log PEF Action - Asserred
191	01/13/2004 22:09:59	Unknown	System Event	System Event	System Reconfiguration	OBII System Boot Event Undermined System Hardware Failure Entry Added to	Auxiliary Log PEF Action - Asserred
192	01/13/2004 22:09:59	Unknown	System Event	System Event	System Reconfiguration	OBII System Boot Event Undermined System Hardware Failure Entry Added to	Auxiliary Log PEF Action - Asserred
193	01/13/2004 22:09:59	Unknown	System Event	System Event	System Reconfiguration	OBII System Boot Event Undermined System Hardware Failure Entry Added to	Auxiliary Log PEF Action - Asserred
194	01/13/2004 22:09:59	Unknown	System Event	System Event	System Reconfiguration	OBII System Boot Event Undermined System Hardware Failure Entry Added to	Auxiliary Log PEF Action - Asserred
195	01/13/2004 22:09:59	Unknown	System Event	System Event	System Reconfiguration	OBII System Boot Event Undermined System Hardware Failure Entry Added to	Auxiliary Log PEF Action - Asserred
196	01/13/2004 22:09:59	Unknown	System Event	System Event	System Reconfiguration	OBII System Boot Event Undermined System Hardware Failure Entry Added to	Auxiliary Log PEF Action - Asserred
197	01/13/2004 22:48:53	Unknown	System Event	System Event	System Reconfiguration	OBII System Boot Event Undermined System Hardware Failure Entry Added to	Auxiliary Log PEF Action - Asserred
198	01/13/2004 22:48:53	Unknown	System Event	System Event	System Reconfiguration	OBII System Boot Event Undermined System Hardware Failure Entry Added to	Auxiliary Log PEF Action - Asserred
199	01/13/2004 22:48:53	Unknown	OBII Record	OBII Critical Stop	OBII measurement		
200	01/13/2004 22:48:53	Unknown	OBII Record	OBII Critical Stop	Invalid Offset for this SensorType - Asserred		

Event Log: 191 event entries, 4 page(s)

<< < 4 > >>

Clear All Event Logs

Event Log: 191 event entries, 4 page(s)

Clear All Event Logs

## 2.3.3 System and Audit Log

This page displays System Log and Audit Log. There are two tabs in the page.

Click on the specific tab to find the information you need.



System & Audit Logs

This page displays logs of system and audit events for this device (if the options have been configured).

System Log      Audit Log

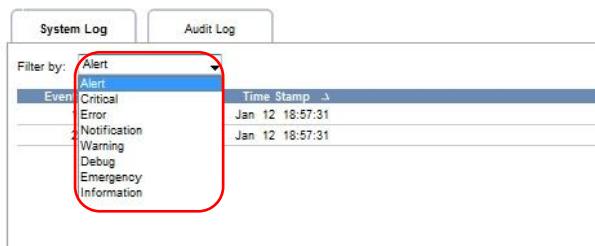
Filter by: Alert

Event ID	Time Stamp	HostName	Description
1	Jan 12 18:57:31	BMC	kernel: Helper Module Driver Version 1.2
2	Jan 12 18:57:31	BMC	kernel: Copyright (c) 2008 American Megatrends Inc.

The log list can be filtered by the following severity criteria.

### System & Audit Logs

This page displays logs of system and audit events for this device (if the options have been configured).



System Log      Audit Log

Filter by: Alert

Event

- Alert
- Critical
- Error
- Notification
- Warning
- Debug
- Emergency
- Information

Time Stamp

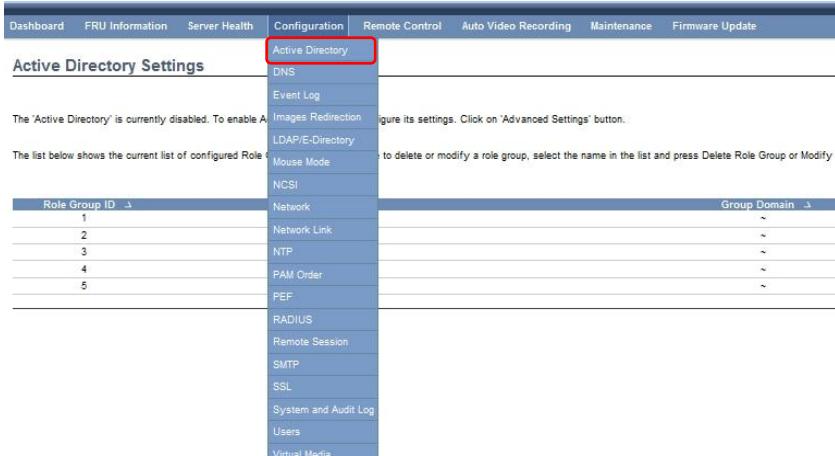
Event ID	Time Stamp
1	Jan 12 18:57:31
2	Jan 12 18:57:31

### Severity:

Alert
Critical
Error
Notification
Warning
Debug
Emergency
Information

## 2.4 Configuration

The **Configuration** page allows you to configure settings, such as Active Directory, DNS, Event Log, Images Redirection, LDAP/E-Directory, Mouse Mode, NCSI, Network, Network Link, NTP, PAM Order, PEF, RADIUS, Remote Session, SMTP, SSL, System and Audit Log, Users and Virtual Media.



The 'Active Directory' is currently disabled. To enable Active Directory, click on the 'Advanced Settings' button.

The list below shows the current list of configured Role Groups. To delete or modify a role group, select the name in the list and press Delete Role Group or Modify Role Group.

Role Group ID	Group Domain
1	
2	
3	
4	
5	

Advanced Settings

- DNS
- Event Log
- Image Redirection
- LDAP/E-Directory
- Mouse Mode
- NCSI
- Network
- Network Link
- NTP
- PAM Order
- PEF
- RADIUS
- Remote Session
- SMTP
- SSL
- System and Audit Log
- Users
- Virtual Media

## 2.4.1 Active Directory

Active Directory is designed to handle a large number of Role Groups.

The Active Directory is currently disabled. To enable Active Directory and configure its settings. Click on [**Advanced Settings**] button.

The list below shows the current list of configured Role Groups. If you would like to delete or modify a role group, select the name in the list and press Delete Role Group or Modify Role Group. To add a new Role Group, select an blank slot and press Add Role Group.

The screenshot shows the 'Active Directory Settings' page. At the top, there is a navigation bar with links: Dashboard, FRU Information, Server Health, Configuration (which is highlighted in blue), Remote Control, Auto Video Recording, Maintenance, and Firmware Update. Below the navigation bar, the title 'Active Directory Settings' is displayed. To the right of the title is a button labeled 'Advanced Settings' with a red box around it. A message below the title states: 'The 'Active Directory' is currently disabled. To enable Active Directory and configure its settings. Click on 'Advanced Settings' button.' Below this message, a table lists five role groups with columns for Role Group ID, Group Name, and Group Domain. At the bottom of the table are three buttons: 'Add Role Group', 'Modify Role Group', and 'Delete Role Group', all enclosed in a red box.

Role Group ID	Group Name	Group Domain
1		
2		
3		
4		
5		

**Buttons:** Add Role Group, Modify Role Group, Delete Role Group

### Advanced Settings

The screenshot shows the 'Advanced Active Directory Settings' page. At the top, there is a header bar with the text 'SEARCH TO FIND ACTIVE DIRECTORY AND DOMAIN CONTROLLER' and 'HTTP://192.168.0.100/AD'. Below the header, the title 'Advanced Active Directory Settings' is displayed. The page contains several configuration fields: 'Active Directory Authentication' (with an 'Enable' checkbox), 'Secret Username' (text input field), 'Secret Password' (text input field), 'User Domain Name' (text input field), 'Time Out' (text input field with value '120'), 'Domain Controller Server Address1' (text input field), 'Domain Controller Server Address2' (text input field), and 'Domain Controller Server Address3' (text input field). The entire configuration section is enclosed in a red box.

## 2.4.2 DNS

The **DNS Server Settings** page allows you to manage DNS settings of the device.

Manage DNS settings of the device.

**Host Configuration**

Host Settings:

Host Name: BMC

**Register BMC**

eth0:  Register BMC  
 Direct Dynamic DNS  DHCP Client FQDN

eth1:  Register BMC  
 Direct Dynamic DNS  DHCP Client FQDN

**Domain Name Configuration**

Domain Settings:

Domain Name:

**Domain Name Server Configuration**

DNS Server Settings:

IP Priority:  IPv4  IPv6

DNS Server1:

DNS Server2:

DNS Server3:

You may configure the Host Settings, Host Name, Register BMC, Domain Name and Domain Name Server.

Dashboard FRU Information Server Health Configuration Remote Control Auto Video

## DNS Server Settings

Manage DNS settings of the device.

**Host Configuration**

Host Settings	<input type="button" value="Manual"/> <input type="button" value="Automatic"/>
Host Name	<input type="button" value="Manual"/> <input type="button" value="Automatic"/>

**Register BMC**

eth0	<input checked="" type="checkbox"/> Register BMC <input type="radio"/> Direct Dynamic DNS <input type="radio"/> DHCP Client FQDN
eth1	<input checked="" type="checkbox"/> Register BMC <input type="radio"/> Direct Dynamic DNS <input type="radio"/> DHCP Client FQDN

**Domain Name Configuration**

Domain Settings	<input type="button" value="eth0_v4"/> <input type="button" value="eth0_v6"/>
Domain Name	<input type="button" value="Manual"/> <input type="button" value="eth0_v4"/> <input type="button" value="eth0_v6"/> <input type="button" value="eth1_v6"/>

**Domain Name Server Configuration**

DNS Server Settings	<input type="button" value="eth0"/>
IP Priority	<input type="radio"/> IPv4 <input type="radio"/> IPv6
DNS Server1	<input type="text"/>
DNS Server2	<input type="text"/>
DNS Server3	<input type="text"/>

## 2.4.3 Event Log

This page is used to configure the System Event log information.



This page is used to configure the System Event log information .

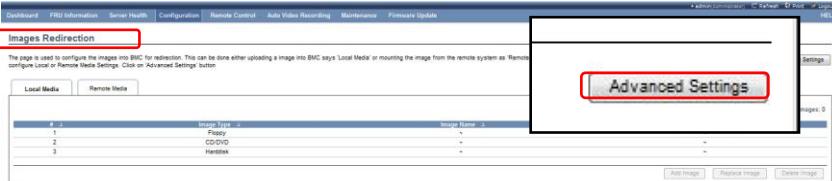
Current Event Log Policy : LINEAR

Enable Linear Event Log Policy

Enable Circular Event Log Policy

## 2.4.4 Images Redirection

This page is used to configure the images into BMC for redirection. This can be done either uploading an image into BMC (Local Media) or mounting the image from the remote system (Remote Media). Local and Remote Media are currently disabled.



The page is used to configure the images into BMC for redirection. This can be done either uploading a image into BMC says Local Media or mounting the image from the remote system as Remote Media. Click on Advanced Settings button to config Local or Remote Media Settings.

#	Image Type	Image Name
1	Floppy	
2	CD/DVD	
3	Hardisk	

To configure Local or Remote Media Settings, click on “**Advanced Settings**” button.



Advanced Media Settings

Local Media Support	<input checked="" type="checkbox"/> Enable
Remote Media Support	<input type="checkbox"/> Enable
Server Address	<input type="text"/>
Source Path	<input type="text"/>
Share Type	NFS
Username	<input type="text"/>
Password	<input type="text"/>
Domain Name	<input type="text"/>

## 2.4.5 LDAP/E-Directory Settings

The LDAP/E-Directory is currently disabled. To enable LDAP/E-Directory and configure its settings, click on “**Advanced Settings**”. The list below shows the current list of configured Role Groups. If you would like to delete or modify a role group, select the name in the list and press **Delete Role Group** or **Modify Role Group**. To add a new Role Group, select a blank slot and press **Add Role Group**.

Advanced Settings

Number of configured Role groups: 0

Add Role Group    Modify Role Group    Delete Role Group

Advanced Settings

configured slot and press Add Role Group.

Number of configured Role groups: 0

Group Privilege

Add Role Group    Modify Role Group    Delete Role Group

### Advanced Settings

Advanced LDAP/E-Directory Settings

LDAP/E-Directory Authentication

Enable

Server Address

Port

Bind DN

Password

Search Base

Save    Cancel

## 2.4.6 Mouse Mode

You may modify the Redirection console mouse mode settings in this page.

Dashboard    FRU Information    Server Health    Configuration    Remote Control

### Mouse Mode Settings

Redirection console mouse mode settings can be modified here.

**Current Mouse Mode : ABSOLUTE**

- Set Mode to Relative (Recommended when server OS is Linux)
- Set Mode to Absolute (Recommended when server OS is Windows)
- Set Mode to Other Mode (Recommended for SLES-11 OS Installation)

## 2.4.7 Network

There are various network settings in this page. You may adjust IPv4, IPv6 and VLAN Configuration.

Dashboard    FRU Information    Server Health    Configuration    Remote Control    Auto Video Recording    Maintenance    Firmware Update

---

### Network Settings

Manage network settings of the device.

**LAN Settings**

MAC Address	<input checked="" type="checkbox"/> Enable
	F8:0F:41:F0:4E:D2

**IPv4 Configuration**

Obtain an IP address automatically	<input type="checkbox"/> Use DHCP
IPv4 Address	192.168.2.1
Subnet Mask	255.255.255.0
Default Gateway	0.0.0.0

**IPv6 Configuration**

IPv6 Settings	<input checked="" type="checkbox"/> Enable
Obtain an IP address automatically	<input checked="" type="checkbox"/> Use DHCP
IPv6 Address	...
Subnet Prefix length	0
Default Gateway	...

**VLAN Configuration**

VLAN Settings	<input type="checkbox"/> Enable
VLAN ID	0
VLAN Priority	0

## 2.4.8 Network Link

In this page, you may adjust the network link settings of LAN interface, Auto Negotiation, Link Speed and Duplex Mode setting.

Dashboard    FRU Information    Server Health    **Configuration**    Remote Control    Auto Video Recording    Maintenance    Firmware Update

---

### Network Link Configuration

Manage network link settings of the device.

Auto Negotiation	<input checked="" type="radio"/> ON <input type="radio"/> OFF
Link Speed	1000 Mbps
Duplex Mode	Full Duplex

---

## 2.4.9 NTP

In this page, you may configure the NTP server, view and modify the Date & Time settings of NTP for BMC.

**Dashboard** **FRU Information** **Server Health** **Configuration** **Remote Control** **Auto Video Recording** **Maintenance** **Firmware Update**

### NTP Settings

Here you can either configure the NTP server or view and modify the device's Date & Time settings.

Date:	December	27	2012	
Time:	(hh:mm:ss)	07	45	26
UTC Timezone:	(GMT+/-0)	Hour(s)		
Primary NTP Server:	pool.ntp.org			
Secondary NTP Server:	time.nist.gov			

Automatically synchronize Date & Time with NTP Server

## 2.4.10 PAM Order

This page is used to configure the PAM Ordering for the user authentication.

Dashboard    FRU Information    Server Health    Configuration    Remote Control    Auto Video Recording    Maintenance    Firmware Update

### PAM Ordering

This page is used to configure the PAM Ordering for the user authentication.

IPMI	↑
LDAP	↓
Active Directory	

## 2.4.11 PEF

A platform event is defined as an event that is originated directly from platform firmware (BIOS) or platform hardware (ASIC, chip set, or microcontroller) independently of the state of the operating system or system management hardware.

Use this page to configure Event Filter, Alert Policy and LAN Destination. To delete or modify a entry, select it in the list and press “**Delete**” or “**Modify**”. To add a new entry, select an blank slot and press “**Add**”.

The screenshot shows a web-based management interface for PEF (Platform Event Filter) configuration. At the top, a navigation bar includes links for Dashboard, FRU Information, Server Health, Configuration (which is the active tab), Remote Control, Auto Video Recording, Maintenance, and Firmware Update. Below the navigation bar is a section titled "PEF Management" with a sub-instruction: "Use this page to configure Event Filter, Alert Policy and LAN Destination. To delete or modify a entry, select it in the list and press 'Delete' or 'Modify'. To add a new entry, select an unconfigured slot and press 'Add'." A horizontal menu bar below the title contains three items: "Event Filter" (selected), "Alert Policy", and "LAN Destination". The main content area is a table with the following data:

PEF ID	Filter Configuration	Event Filter Action	Event Severity
1	Disabled	- [Power Down] - [Power Down]	Unspecified
2	Disabled	[Alert]	Unspecified
3	Disabled	[Alert]	Unspecified
4	Disabled	[Alert]	Unspecified

At the bottom right of the table are three buttons: "Add" (in a white box), "Modify" (in a white box), and "Delete" (in a white box).

Use this page to modify the existing Event Filter entry. Click “**Modify**” to accept the modification.

Dashboard FRU Information Server Health Configuration Remote Control Auto Video

### Modify Event Filter entry

Use this page to modify the existing Event Filter entry. Click ‘Modify’ to accept the modification.

**Event Filter Configuration**

PEF ID: 1

Filter Configuration:  Enable

Event Severity: Unspecified

**Filter Action configuration**

Event Filter Action:  Alert

Power Action: Power Down

Alert Policy Number: 1

**Generator ID configuration**

Generator ID Data:  Raw Data

Generator ID 1: 0xFF

Generator ID 2: 0xFF

Event Generator:  Slave Address  System Software ID

Slave Address/Software ID:

Channel Number: 0

IPMB Device LUN: 1

**Sensor configuration**

Sensor Type: Temperature Sensors

Sensor Name: CPU0 Temp

Event Options: Sensor Events

Lower Non-Critical:  Going Low  Going High

Lower Critical:  Going Low  Going High

Lower Non-Recoverable:  Going Low  Going High

Upper Non-Critical:  Going Low  Going High

Upper Critical:  Going Low  Going High

Upper Non-Recoverable:  Going Low  Going High

**Event Data configuration**

Event Trigger: 1

Event Data 1 AND Mask: 0

Event Data 1 Compare 1: 0

Event Data 1 Compare 2: 0

**Event Data 2 configuration**

Event Data 2 AND Mask: 0

Event Data 2 Compare 1: 0

Event Data 2 Compare 2: 0

**Event Data 3 configuration**

Event Data 3 AND Mask: 0

Event Data 3 Compare 1: 0

Event Data 3 Compare 2: 0

### Sensor Events:

There are different assertion condition levels for different bit numbers. The abbreviation here represents different levels of the condition.

Event Options		Sensor Events
		Lower Non-Critical : <input type="checkbox"/> Going Low <input type="checkbox"/> Going High
		Lower Critical : <input type="checkbox"/> Going Low <input type="checkbox"/> Going High
Sensor Events		Lower Non-Recoverable : <input type="checkbox"/> Going Low <input type="checkbox"/> Going High
		Upper Non-Critical : <input type="checkbox"/> Going Low <input type="checkbox"/> Going High
		Upper Critical : <input type="checkbox"/> Going Low <input type="checkbox"/> Going High
		Upper Non-Recoverable : <input checked="" type="checkbox"/> Going Low <input checked="" type="checkbox"/> Going High

Abreviation	Full	Severity	Meaning
LNC	Lower Non-Critical	Yellow	Similar to a Warning message
LC	Lower Critical	Orange	Worse than LNC
UNC	Upper Non-Critical	Yellow	Similar to a Warning message
UC	Upper Critical	Orange	Worse than UNC
LNR	Lower Non-Recoverable	Red	Unknown reason and untraceable and shows no parameter at all
UNR	Upper Non-Recoverable	Red	Unknown reason and untraceable and shows no parameter at all

For example,

If you choose LNC going low for threshold for Fan 1, and when the figure of Fan 1 is going lower than the default parameter, then it will trigger the event.

## Event Filter Configuration:

The **Event Severity** defines the severity of the event.

Event Severity	<input style="width: 100px; height: 20px; border: 1px solid black; border-radius: 5px; padding: 2px 10px;" type="button" value="Unspecified"/> <div style="border: 1px solid black; padding: 5px; margin-top: 2px;">         Unspecified          Monitor          Information          Normal          Non-Critical          Critical          Non-Recoverable       </div>
Filter Action configuration	
Event Filter Action	
Power Action	
Alert Policy Number	<input style="width: 100px; height: 20px; border: 1px solid black; border-radius: 5px; padding: 2px 10px;" type="button" value="1"/> <div style="border: 1px solid black; padding: 5px; margin-top: 2px;">         1       </div>

The **Power Action** defines the action of the Power Supply.

Filter Action configuration	
Event Filter Action	<input checked="" type="checkbox"/> Alert
Power Action	<input style="width: 100px; height: 20px; border: 1px solid black; border-radius: 5px; padding: 2px 10px;" type="button" value="Power Down"/> <div style="border: 1px solid black; padding: 5px; margin-top: 2px;">         Power Down          None          Power Down          Power Reset          Power Cycle       </div>
Alert Policy Number	
Generator ID configuration	

The **Sensor Type** is one of the most important factors to your configuration. Any unusual figures of these selected sensors will trigger the Event Filter Action.

Sensor configuration																																																																							
Sensor Type	<input style="width: 100px; height: 20px; border: 1px solid black; border-radius: 5px; padding: 2px 10px;" type="button" value="Temperature Sensors"/> <div style="border: 1px solid black; padding: 5px; margin-top: 2px;">         Temperature Sensors          All Sensors          Temperature Sensors          Voltage Sensors          Current Sensors          Fan Sensors          Processor          Power Supply          Power Unit          Memory          System Firmware Progress          Event Logging Disabled          Critical Interrupt          System ACPI Power State          Watchdog 2       </div>																																																																						
Sensor Name																																																																							
Event Options																																																																							
Sensor Events	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 15%;">Sensor</td> <td style="width: 15%;">Event Type</td> <td style="width: 15%;">Threshold</td> <td style="width: 15%;">Value</td> <td style="width: 15%;">Event Options</td> </tr> <tr> <td>Temperature Sensors</td> <td>Low</td> <td><input type="checkbox"/></td> <td>Going High</td> <td></td> </tr> <tr> <td>Voltage Sensors</td> <td>Low</td> <td><input type="checkbox"/></td> <td>Going High</td> <td></td> </tr> <tr> <td>Current Sensors</td> <td>Low</td> <td><input type="checkbox"/></td> <td>Going High</td> <td></td> </tr> <tr> <td>Fan Sensors</td> <td>Low</td> <td><input type="checkbox"/></td> <td>Going High</td> <td></td> </tr> <tr> <td>Processor</td> <td>Low</td> <td><input type="checkbox"/></td> <td>Going High</td> <td></td> </tr> <tr> <td>Power Supply</td> <td>Low</td> <td><input type="checkbox"/></td> <td>Going High</td> <td></td> </tr> <tr> <td>Power Unit</td> <td>Low</td> <td><input type="checkbox"/></td> <td>Going High</td> <td></td> </tr> <tr> <td>Memory</td> <td>Low</td> <td><input type="checkbox"/></td> <td>Going High</td> <td></td> </tr> <tr> <td>System Firmware Progress</td> <td>Low</td> <td><input type="checkbox"/></td> <td>Going High</td> <td></td> </tr> <tr> <td>Event Logging Disabled</td> <td>Low</td> <td><input type="checkbox"/></td> <td>Going High</td> <td></td> </tr> <tr> <td>Critical Interrupt</td> <td>Low</td> <td><input type="checkbox"/></td> <td>Going High</td> <td></td> </tr> <tr> <td>System ACPI Power State</td> <td>Low</td> <td><input checked="" type="checkbox"/></td> <td>Going High</td> <td></td> </tr> <tr> <td>Watchdog 2</td> <td>Low</td> <td><input type="checkbox"/></td> <td>Going High</td> <td></td> </tr> </table>	Sensor	Event Type	Threshold	Value	Event Options	Temperature Sensors	Low	<input type="checkbox"/>	Going High		Voltage Sensors	Low	<input type="checkbox"/>	Going High		Current Sensors	Low	<input type="checkbox"/>	Going High		Fan Sensors	Low	<input type="checkbox"/>	Going High		Processor	Low	<input type="checkbox"/>	Going High		Power Supply	Low	<input type="checkbox"/>	Going High		Power Unit	Low	<input type="checkbox"/>	Going High		Memory	Low	<input type="checkbox"/>	Going High		System Firmware Progress	Low	<input type="checkbox"/>	Going High		Event Logging Disabled	Low	<input type="checkbox"/>	Going High		Critical Interrupt	Low	<input type="checkbox"/>	Going High		System ACPI Power State	Low	<input checked="" type="checkbox"/>	Going High		Watchdog 2	Low	<input type="checkbox"/>	Going High	
Sensor	Event Type	Threshold	Value	Event Options																																																																			
Temperature Sensors	Low	<input type="checkbox"/>	Going High																																																																				
Voltage Sensors	Low	<input type="checkbox"/>	Going High																																																																				
Current Sensors	Low	<input type="checkbox"/>	Going High																																																																				
Fan Sensors	Low	<input type="checkbox"/>	Going High																																																																				
Processor	Low	<input type="checkbox"/>	Going High																																																																				
Power Supply	Low	<input type="checkbox"/>	Going High																																																																				
Power Unit	Low	<input type="checkbox"/>	Going High																																																																				
Memory	Low	<input type="checkbox"/>	Going High																																																																				
System Firmware Progress	Low	<input type="checkbox"/>	Going High																																																																				
Event Logging Disabled	Low	<input type="checkbox"/>	Going High																																																																				
Critical Interrupt	Low	<input type="checkbox"/>	Going High																																																																				
System ACPI Power State	Low	<input checked="" type="checkbox"/>	Going High																																																																				
Watchdog 2	Low	<input type="checkbox"/>	Going High																																																																				

The **Sensor Name** varies to the selection of the Sensor Type.

If we chose Temperature Sensors as our Sensor Type, the Sensor Name will appear in the drop down list accordingly as follow.

Sensor configuration	
Sensor Type	Temperature Sensors
Sensor Name	<input type="text" value="CPU0 Temp"/> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">           All Sensors  <b>CPU0 Temp</b>            CPU1 Temp            DIMM Zone0 Temp            DIMM Zone1 Temp            DIMM Zone2 Temp            DIMM Zone3 Temp            PCH Temp            PCIE Zone TempZP            CPU1 Outlet Temp            MB Inlet Temp            HDD Bak MB1 Temp            HDD Bak MB2 Temp         </div>
Event Options	<input type="checkbox"/> Low <input checked="" type="checkbox"/> Low
Sensor Events	
Event Data configuration	

If we chose **CPU0 Temp** as our Sensor Name, the Event Options will appear in the drop down list accordingly as follow.

Sensor configuration	
Sensor Type	Temperature Sensors
Sensor Name	CPU0 Temp
Event Options	<input type="text" value="All Events"/> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">           All Events  <b>All Events</b>            Sensor Events         </div>
Event Data configuration	

The drop down list of **Voltage Sensors** as follow.

Sensor Type	Voltage Sensors
Sensor Name	<input type="text" value="All Sensors"/> <div style="border: 1px solid #ccc; padding: 2px; display: inline-block;">           All Sensors  <b>All Sensors</b>            3.3V Standby            5V Standby            3.3V            5V            12V            3V Battery            1.1V Standby            1.8V Standby            PVDDO_AB            PVDDQ_CD            PVDDQ_EF            PVDDQ_GH            PVCCP_CPU0            PVCCP_CPU1         </div>
Event Options	<input type="checkbox"/> Low <input checked="" type="checkbox"/> Low
Event Data configuration	
Event Trigger	
Event Data 1 AND Mask	
Event Data 1 Compare 1	
Event Data 1 Compare 2	
Event Data 2 configuration	
Event Data 2 AND Mask	0

The drop down list of **Current Sensors** as follow.

Sensor configuration	
Sensor Type	Current Sensors
Sensor Name	All Sensors
Event Options	All Sensors Current_12V_PSU1 Current_12V_PSU2

The drop down list of **Fan Sensors** as follow.

Sensor configuration	
Sensor Type	Fan Sensors
Sensor Name	All Sensors
Event Options	All Sensors FAN1-1 FAN1-2 FAN2-1 FAN2-2 FAN3-1 FAN3-2 FAN4-1 FAN4-2 0
Event Data configuration	
Event Trigger	
Event Data 1 AND Mask	
Event Data 1 Compare 1	

The drop down list of **Processor** as follow.

Sensor configuration	
Sensor Type	Processor
Sensor Name	All Sensors
Event Options	All Sensors CPU0 Status CPU1 Status

The drop down list of **Power Supply** as follow.

Sensor configuration	
Sensor Type	Power Supply
Sensor Name	All Sensors
Event Options	All Sensors PSU1 Status PSU2 Status

The drop down list of **Power Unit** as follow.

Sensor configuration

Sensor Type	Power Unit
Sensor Name	All Sensors
Event Options	All Sensors Power Unit

The drop down list of **Memory** as follow.

Sensor configuration

Sensor Type	Memory
Sensor Name	All Sensors
Event Options	All Sensors Memory ECC

The drop down list of **System Firmware Progress** as follow.

Sensor configuration

Sensor Type	System Firmware Progress
Sensor Name	All Sensors
Event Options	All Sensors BIOS Event

The drop down list of **Event Logging Disabled** as follow.

Sensor configuration

Sensor Type	Event Logging Disabled
Sensor Name	All Sensors
Event Options	All Sensors SEL

The drop down list of **Critical Interrupt** as follow.

Sensor configuration

Sensor Type	Critical Interrupt
Sensor Name	All Sensors
Event Options	All Sensors NMI Action

The drop down list of **System ACPI Power State** as follow.

Sensor configuration	
Sensor Type	System ACPI Power State
Sensor Name	All Sensors
Event Options	All Sensors Sys Pwr Monitor

The drop down list of **Watchdog 2** as follow.

Sensor configuration	
Sensor Type	Watchdog 2
Sensor Name	All Sensors
Event Options	All Sensors Watchdog2 Watchdog

After all the settings are configured, you may click **Save** or **Cancel** to return to the main page of PEF.

## 2.4.12 Radius

Check the box below to enable RADIUS authentication and enter the required information to access the RADIUS server. Press the “Save” button to save your changes.

Dashboard	FRU Information	Server Health	Configuration	Remote Control	Auto Video Recording	Maintenance	Firmware Update
<b>RADIUS Settings</b>							
Check the box below to enable RADIUS authentication and enter the required information to access the RADIUS server. Press the Save button to save your changes.							
RADIUS Authentication		<input type="checkbox"/> Enable					
Port	<input type="text" value="1812"/>						
Time Out	<input type="text" value="3"/> seconds						
Server Address	<input type="text"/>						
Secret	<input type="text"/>						

## 2.4.13 Remote Session

This page is used to configure virtual media configuration settings for the next redirection session.

Dashboard    FRU Information    Server Health    Configuration    Remote Control    Auto Video Recording    Maintenance    Firmware Update

---

### Configure Remote Session

This page is used to configure virtual media configuration settings for the next redirection session.

Virtual Media Attach Mode	<input type="button" value="Auto Attach"/> <input type="button" value="Attach"/> <input style="background-color: #0070C0; color: white; border: 1px solid #0070C0;" type="button" value="Auto Attach"/>
---------------------------	---

---

## 2.4.14 SMTP

This page is used for managing SMTP settings of the device.



### SMTP Settings

Manage SMTP settings of the device.

Sender Address

Machine Name

#### Primary SMTP Server

SMTP Support

Enable

Server Address

SMTP Server requires Authentication

User Name

Password

#### Secondary SMTP Server

SMTP Support

Enable

Server Address

SMTP Server requires Authentication

User Name

Password

## 2.4.15 SSL

SSL provides communication security over the Internet. It is an entity that issues digital certificates. The digital certificate certifies the ownership of a public key by the named subject of the certificate. It is a trusted third party that is trusted by both the subject (owner) of the certificate and the party relying upon the certificate.

Dashboard FRU Information Server Health Configuration Remote Control Auto View

### SSL Certificate Configuration

This page is used to configure SSL certificate into the BMC. Using this, the device can be accessed in a secure manner. The option is used to view the uploaded SSL certificate in readable format.

Upload SSL   Generate SSL   View SSL

Current Certificate	Thu Jan 1 00:00:00 1970
New Certificate	<input type="file"/>
Current Privacy Key	Thu Jan 1 00:00:00 1970
New Privacy Key	<input type="file"/>

There are 3 tabs here.

- Upload SSL
- Generate SSL
- View SSL

If you choose to generate a new SSL, click on the Generate SSL tab, in which you will fill in the details such as Common Name, Organization Name, etc., in order to create a new one. After that, click the **Generate** button.

## SSL Certificate Configuration

This page is used to configure SSL certificate into the BMC. Using this, the device can be accessed in a secure way. An option is used to view the uploaded SSL certificate in readable format.

<a href="#">Upload SSL</a>	<a href="#">Generate SSL</a>	<a href="#">View SSL</a>
Common Name(CN)	<input type="text"/>	
Organization(O)	<input type="text"/>	
Organization Unit(OU)	<input type="text"/>	
City or Locality(L)	<input type="text"/>	
State or Province(ST)	<input type="text"/>	
Country(C)	<input type="text"/>	
Email Address	<input type="text"/>	
Valid for	<input type="text"/> days	
Key Length	<input type="button" value="512"/> bits	<a href="#">Generate</a>

## View SSL:

<a href="#">Dashboard</a>	<a href="#">FRU Information</a>	<a href="#">Server Health</a>	<a href="#">Configuration</a>	<a href="#">Remote Control</a>	<a href="#">Auto Video Recording</a>	<a href="#">Maintenance</a>	<a href="#">Firmware Update</a>
<a href="#">Upload SSL</a>	<a href="#">Generate SSL</a>	<a href="#">View SSL</a>					
<b>Basic Information</b>							
Version	3						
Serial Number	9FF7D4CD544345C2						
Signature Algorithm	sha1WithRSAEncryption						
Public Key	(1024 bit)						
<b>Issued From</b>							
Common Name(CN)	AMI						
Organization(O)	American Megatrends Inc						
Organization Unit(OU)	Service Processors						
City or Locality(L)	Atlanta						
State or Province(ST)	Georgia						
Country(C)	US						
Email Address	support@ami.com						
<b>Validity Information</b>							
Valid From	Sep 12 09:38:47 2008 GMT						
Valid To	Jan 25 09:38:47 2010 GMT						
<b>Issued To</b>							
Common Name(CN)	AMI						
Organization(O)	American Megatrends Inc						

## 2.4.16 System and Audit Log Settings

Use this page to enable and configure logging of system events below. Or, you can enable/disable logging of audit events. Press the “Save” button to save your changes.

Dashboard    FRU Information    Server Health    Configuration    Remote Control    Auto Video Recording    Maintenance    Firmware Update

---

### System and Audit Log Settings

Enable and configure logging of system events below. Or you can enable/disable logging of audit events. Press the Save button to save your changes.

System Log	<input checked="" type="checkbox"/> Enable
Log Type	<input checked="" type="radio"/> Local Log <input type="radio"/> Remote Log
File Size (in bytes)	50000
Rotate Count	0
Server Address	<input type="text"/>
Audit Log	<input checked="" type="checkbox"/> Enable

## 2.4.17 Users

Dashboard FRU Information Server Health Configuration Remote Control Auto Video Recording Maintenance Firmware Update admin (Administrator) Refresh Print Logout HELP

### User Management

The list below shows the current list of available users. To delete or modify a user, select their name in the list and press "Delete User" or "Modify User". To add a new user, select an unconfigured slot and press "Add User". Number of configured users: 3

UserID	Username	User Access	Network Privilege	SNMP Status	Email ID
1	anonymous	Disabled	Administrator	Disabled	-
2	admin	Enabled	Administrator	Disabled	-
3	chester9	Enabled	Administrator	Disabled	-
4	-	-	-	-	-
5	-	-	-	-	-
6	-	-	-	-	-
7	-	-	-	-	-
8	-	-	-	-	-
9	-	-	-	-	-
10	-	-	-	-	-

Add User Modify User Delete User

### Modify User

Username	<input type="text" value="anonymous"/>
Password Size	<input type="checkbox"/> Change Password <input checked="" type="radio"/> 16 Bytes <input type="radio"/> 20 Bytes
Password	<input type="password"/>
Confirm Password	<input type="password"/>
User Access	<input type="checkbox"/> Enable <input checked="" type="radio"/> Administrator
Network Privilege	<input type="checkbox"/> Enable <input checked="" type="radio"/> Read Only <input type="radio"/> SHA <input type="radio"/> DES
SNMP Access	<input type="radio"/> Read Only <input checked="" type="radio"/> SHA <input type="radio"/> DES
Authentication Protocol	<input type="radio"/> MD5 <input checked="" type="radio"/> SHA <input type="radio"/> DES
Privacy Protocol	<input type="radio"/> 3DES <input checked="" type="radio"/> SHA <input type="radio"/> DES
Email ID	<input type="text"/>
Email Format	<input type="radio"/> AMI-Format <input checked="" type="radio"/> Not Available
Uploaded SSH Key	<input type="button" value="浏览..."/>
New SSH Key	<input type="button" value="浏览..."/>

Modify Cancel

## 2.4.18 Virtual Media

The following option allows to configure virtual media devices.



### Virtual Media Devices

The following option will allow to configure virtual media devices.

Floppy devices	<input type="text" value="1"/>
CD/DVD devices	<input type="text" value="1"/>
Harddisk devices	<input type="text" value="1"/>
SD Media Support	<input checked="" type="checkbox"/> Enable

## 2.5 Remote Control

The **Remote Control** page allows you to configure settings, such as Console Redirection, Server Power Control and Java SOL.

The screenshot shows the 'Remote Control' page with a navigation bar at the top. The 'Remote Control' tab is selected, indicated by a red box. Below the navigation bar, there are three buttons: 'Console Redirection', 'Server Power Control', and 'Java SOL'. The 'Java SOL' button is also highlighted with a red box. A note below the buttons says: 'Press the button to launch the redirection console and manage the server resources.' At the bottom right, there is a 'Java Console' button.

Dashboard FRU Information Server Health Configuration Remote Control Auto Video Recording Maintenance Firmware Update

Console Redirection

Press the button to launch the redirection console and manage the server resources.

Java SOL

Java Console

## 2.5.1 Console Redirection

You may press the “Java Console” button to launch the redirection console and manage the server remotely.

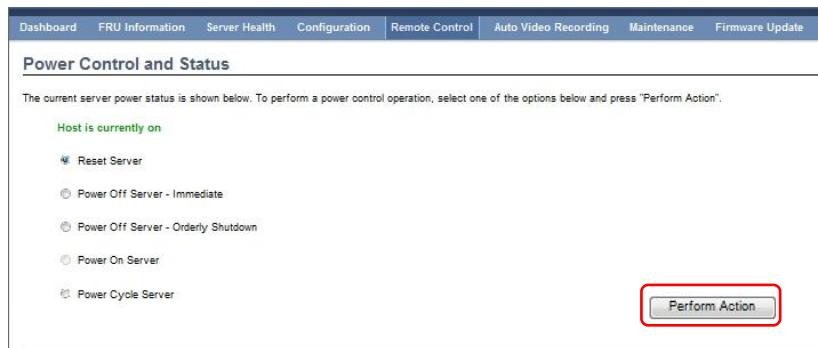


Press the button to launch the redirection console and manage the server remotely.

**Java Console**

## 2.5.2 Server Power Control

The current server power status is shown below. To perform a power control operation, select one of the options below and press “Perform Action”.



The current server power status is shown below. To perform a power control operation, select one of the options below and press “Perform Action”.

Host is currently on

Reset Server

Power Off Server - Immediate

Power Off Server - Orderly Shutdown

Power On Server

Power Cycle Server

**Perform Action**

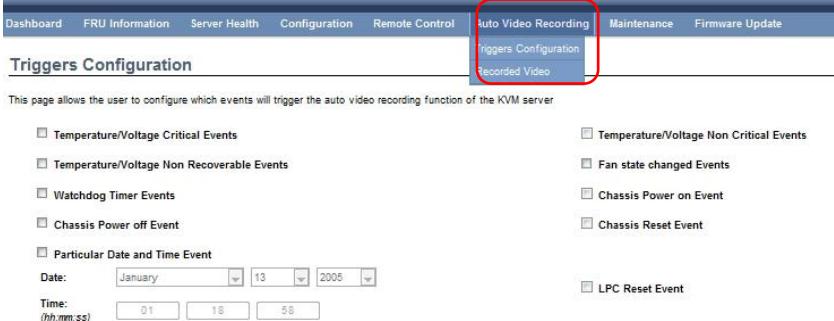
## 2.5.3 Java SOL

Press the button to launch the Java SOL.



## 2.6 Auto Video Recording

The **Auto Video Recording** page allows you to configure settings, such as Triggers Configuration and Recorded Video.



This page allows the user to configure which events will trigger the auto video recording function of the KVM server.

Temperature/Voltage Critical Events  
 Temperature/Voltage Non Recoverable Events  
 Watchdog Timer Events  
 Chassis Power off Event  
 Particular Date and Time Event

Date:

Time:    (hh:mm:ss)

Temperature/Voltage Non Critical Events  
 Fan state changed Events  
 Chassis Power on Event  
 Chassis Reset Event  
 LPC Reset Event

## 2.6.1 Triggers Configuration

This page allows the user to configure which events will trigger the auto recording function of the KVM server.

Dashboard    FRU Information    Server Health    Configuration    Remote Control    Auto Video Recording    Maintenance    Firmware Update

### Triggers Configuration

This page allows the user to configure which events will trigger the auto video recording function of the KVM server

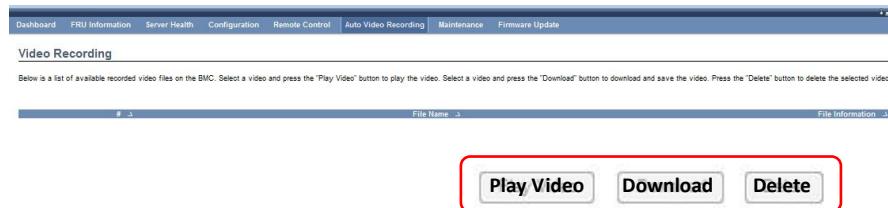
Temperature/Voltage Critical Events     Temperature/Voltage Non Critical Events  
 Temperature/Voltage Non Recoverable Events     Fan state changed Events  
 Watchdog Timer Events     Chassis Power on Event  
 Chassis Power off Event     Chassis Reset Event  
 Particular Date and Time Event     LPC Reset Event

Date:          Time:

## 2.6.2 Recorded Video

Below shows the list of available recorded video files on the BMC. Select a video and press “Play Video” button to play the video. Select a video and press the “Download” button to download and save the video. Press the “Delete” button to delete the selected video.

(note: the number of available video files are “0”, therefore no video can be selected)



Dashboard FRU Information Server Health Configuration Remote Control **Auto Video Recording** Maintenance Firmware Update

**Video Recording**

Below is a list of available recorded video files on the BMC. Select a video and press the “Play Video” button to play the video. Select a video and press the “Download” button to download and save the video. Press the “Delete” button to delete the selected video.

File Name	File Information	Play Video	Download	Delete

## 2.7 Maintenance

The **Maintenance** page allows you to configure settings, such as Preserve Configuration, Restore Factory Defaults and System Administrator.



Preserve Configuration

Restore Factory Defaults

See 'Protocol Configuration' under Firmware Update menu.

Non-widgets will be closed automatically. If upgrade process is cancelled or

### 2.7.1 Preserve Configuration

This page allows the user to configure items, which will be used by the Restore Factory Defaults to preserve the existing configuration without overwriting with default configuration.

This page allows you to go to **Firmware Update** or **Restore Factory Defaults**.



Preserve Configuration

This page allows the user to configure the preserve configuration items, which will be used by the Restore factory defaults to preserve the existing configuration without overwriting with default configuration.

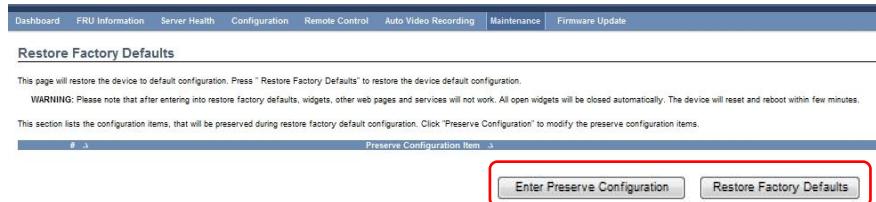
Click here to go to [Firmware Update or Restore Factory Defaults](#)

#	Preserve Configuration Item
1	SDR
2	FRU
3	SEL

## 2.7.2 Restore Factory Defaults

This page will restore the device to default configuration. Press “**Restore Factory Defaults**” to restore the device default configuration.

This section lists the configuration items that will be preserved during restore factory default configuration. Click “**Preserve Configuration**” to modify the preserve configuration items.



The screenshot shows a web-based interface for restoring factory defaults. At the top, there is a navigation bar with links: Dashboard, FRU Information, Server Health, Configuration, Remote Control, Auto Video Recording, Maintenance, and Firmware Update. Below the navigation bar, the page title is "Restore Factory Defaults". A sub-section title "Preserve Configuration Item" is visible. At the bottom of the page, there are two buttons: "Enter Preserve Configuration" and "Restore Factory Defaults". The "Restore Factory Defaults" button is highlighted with a red box.

**Warning:** Please be noted that after entering into factory defaults, some functions like widgets, other web pages and services will not work. All open widgets will be closed automatically. The device will reset and reboot within few minutes.

## 2.8 Firmware Update

The **Firmware Update** page allows you to configure and update Firmware.

Update firmware of the device. Press “**Enter Update Mode**” to put the device in update mode.

All configuration items below will be preserved by default during a restore factory default operation. Click “**Enter Preserve Configuration**” to modify the Preserve Status settings.

The screenshot shows the 'Firmware Update' page with a navigation bar at the top. The 'Firmware Update' tab is selected. Below the navigation bar, there is a section titled 'Firmware Update' with a sub-section 'Preserve Configuration'. A table titled 'Preserve Configuration Item' is displayed, showing a single row with the value 'SEL'. At the bottom of the page are two buttons: 'Enter Preserve Configuration' and 'Enter Update Mode'. The 'Enter Update Mode' button is highlighted with a red box.

Preserve Configuration Item	SEL
1	SEL

**Enter Preserve Configuration** **Enter Update Mode**